

Abstract of the Disclosure

Disclosed are a resin dispersion and a cationic electrodeposition coating composition including the same, in which the dried coating film of the electrodeposition paint is lead-free and has an epoxy-acrylic double-layered structure for displaying excellent properties, and in which an organic solvent content can be minimized. A resin dispersion of a cationic electrodeposition includes an aqueous dispersion prepared by the following processes. The resin dispersion includes a cationic electrodeposition resin, deionized water, an acid for neutralization, a reaction product of manganese phosphate and an acid diluted in an deionized water to 10%, and a cationic surfactant. The cationic electrodeposition resin can be prepared in the presence of an organic solvent from (a) a cationic electrodeposition synthetic resin produced by an epoxy-amino addition reaction (b) an acrylic cationic electrodeposition resin having an amino group (c) a fatty acid ester resin synthesized by an esterification reaction of styrene-allyl alcohol copolymer and fatty acid and (d) blocked polyisocyanate curing agent. The cured film has an epoxy-acrylic double-layered structure to give a high functionality, for improving properties such as weather-resistance, yellowing resistance, etc.